



WE CU VOLUNTEER

Volunteer Leaders Symposium

Registration is OPEN; Make plans to join us
Saturday, August 11, 2018!!!



The 8th annual South Carolina 4-H Volunteer Leaders Symposium will be hosted at Midlands Technical College – Northeast Campus (151 Powell Road, Columbia, SC) on Saturday, August 11, from 9 AM to 4 PM in conjunction with South Carolina 4-H's youth Ambassador Training. Registration is now open! The cost is \$15 per person before July 13th (after which time the cost is \$25). Volunteers can

sign up for a variety of workshops. From brand-new volunteers to our veteran club leaders, we have something fun and engaging for all of you! Join us in this time to fellowship and share with one another.

Register HERE



It's official! The 2018 National Youth Science Day (NYSD) challenge has been announced. For the past ten years, 4-H has developed hands-on challenges that shows kids how STEM skills can be applied to the world around them. This fall, we expect to reach more than 150,000 kids at thousands of events across all 50 states through NYSD. 4-H

will hold NYSD events throughout the month of October in classrooms, clubs, homes and after-school spaces across the country. Check out a preview of this year's [CODE YOUR WORLD](#) challenge and find out how you can get involved!



Upcoming Statewide Programs:



4-H Club Camp
June 10-14 and July 22-26, 2018
traditional, residential summer camp experience full of fun (for ages 7-14)

Register at your local Extension Office



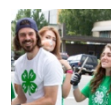
State 4-H Congress
July 11-14, 2018
premier youth leadership conference (for Senior age division)

Register by June 25th



Junior Beef Round-Up
August 3-5, 2018
Youth beef cattle contest open to the southeast region (for all age divisions)

Register by July 5th



Volunteer Leaders Symposium
Saturday, August 11, 2018
Training for all volunteers across the state to network and learn (for adults)

Register early by July 13th



Wildlife Food Plot Project
September 2018 to January 2019
Independent-study project related to wildlife and plants (for ages 5-18)

Register by August 10th

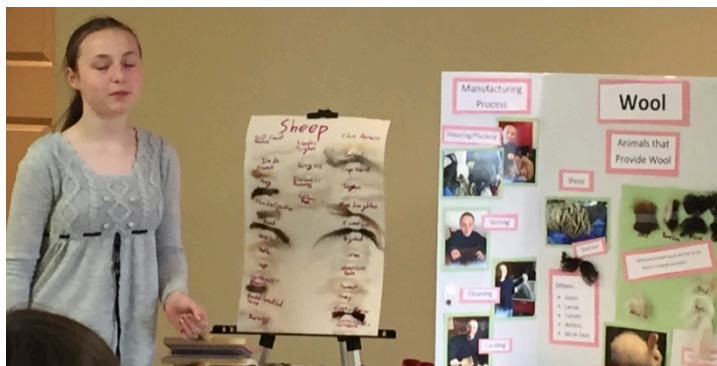
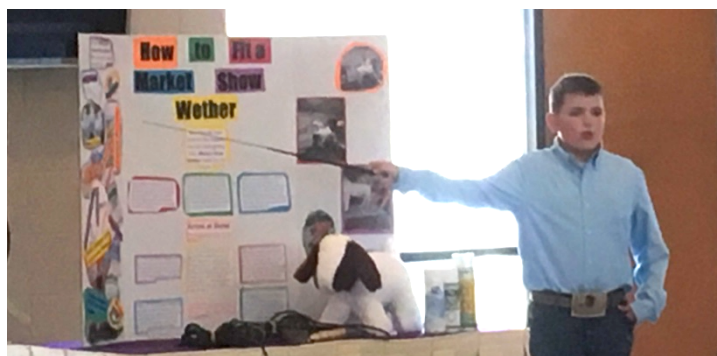
"Learn by Doing!" 4-H Slogan

4-H'ers show off their Presentation Skills

by Leigh Walker, *Darlington County 4-H Agent*

Twenty youth from around the state participated in the 2018 South Carolina 4-H Presentations Contest held at the Bob Cooper 4-H Leadership Center in conjunction with Junior Weekend and Senior Teen Weekend. In this age of texting, email, and instant messaging, public speaking skills remain important and relevant. Public speaking generally ranks high on a list of stressors; however, mastering public speaking builds confidence, organizational and critical thinking skills, and helps people accomplish great things. Congratulations go to all the following participants for “netting their butterflies” and putting together top-notch presentations.

In the Junior age division, Macie Thomas from Dorchester County earned 1st Place with her presentation in which she explained the impact of service to others titled, “The Greatest Gift”. Elise Jenneman from Laurens County earned 2nd Place honors. Her presentation about weaving yarn was titled, “How to Use a Drop Spindle”. Third place honors were earned by Bradlean Willis, also of Laurens County, with her presentation on, “How to Raise a Healthy Goat Kid.” Also participating in the Junior Presentations Contest were: Maggie Thomas (Dorchester), William Howard (Florence), Abigail Jenneman, Allison Jewel, and Drew Walker (all from Laurens), and Aliza Grace Allison and Ella Guidotti (Lexington).



Junior 4-H'ers participate in the 2018 State Presentations Contest at Camp Bob Cooper by speaking on a topic of their choosing.
Image credit: Shannon Herndon, Bamberg/Barnwell 4-H Agent

Presentations Contest continued from page 2

Sianna Smith of Lexington County with her presentation, "One Saddle Doesn't Fit All" earned 1st place in the Senior age division. Second place Senior was Lindsey Scott from Saluda County who used her presentation to teach the audience how to make recipe adjustments for healthier eating options. New to the 4-H program in Barnwell County, Skylar Wittenborn, earned 3rd Place with her presentation, "The Road to Publishing". Also participating in the Senior Presentations Contest were: Zoie Bowers (Anderson), Brianna Smalls (Dorchester), Morgan Marlett (Greenville), Loni McKenzie, Abigail Newman, and Hailey Williamson (all of Lexington).

Pictured right: Senior 4-H'ers participate in the 2018 State Presentations Contest at Camp Bob Cooper during Senior Teen Weekend by speaking on a topic of their choosing. *Image credit: Shannon Herndon, Bamberg/Barnwell 4-H Agent*



A Huge "THANK YOU" to all our Sponsors!!!

We held our annual 4-H Sporting Clays Fundraiser at NWTF Palmetto Shooting Complex on Friday, June 1, 2018. It was an absolutely beautiful day that we enjoyed spending with friends and supporters. We netted over \$18,000 for leadership and scholarship opportunities for South Carolina youth. Thank you for everyone who supported this initiative!!! From supporters, sponsors, shooters, and trappers to 4-H'ers, agents, staff, and students, we appreciate your dedication and contributions that made this event a huge success. THANK YOU!!!!



New Positions in South Carolina 4-H!

Darcy Schueler

Please join us in welcoming Ms. Darcy Schueler as the **new 4-H Agent in Saluda County**. Darcy grew up in Clovis, CA heavily involved with 4-H and FFA, participating in showing livestock and small animals, and competing in judging and speaking competitions. She received her B.S. degree in Wildlife Management from Eastern Kentucky University with an Agricultural minor. While attending EKV, she played on their division 1 softball team. Darcy received her MS degree in Agricultural and Environmental Education from the University of Georgia. She comes to us with experience as a 4-H intern and volunteer. She also has great experience in developing and delivering 4-H and youth programs. She is excited about joining our team and will work with Connie Lake on various projects and programs until Connie's retirement this year. Darcy can be contacted in the Saluda County Extension office at 864-445-8117 ext. 115 or dschuel@clemson.edu.



Abigail Phillips

We are excited to welcome Mrs. Abigail Phillips as the **new 4-H Agent in Chester County**. Abigail began working in Chester County in June 2018. She is originally from Manning, SC and currently lives in Fort Mill, SC. Abigail graduated with a Bachelor of Arts degree from Charleston Southern University in 2008. She is very experienced in working with non-profit organizations, STEM programs, and volunteer recruitment. Abigail has been working with South Carolina 4-H on many grants since 2012, including Tech Wizards and Google. She is not afraid to take cutting-edge technology into youth programs and experience the inspiration work that youth develop. Her hobbies include spending time with family, painting, cooking, and traveling. She will be working with Robin Currence on various summer programs until Robin's retirement this year. Abigail can be reached at 803-385-6181 or atimmon@clemson.edu.



Ashley McCarter

We welcome Ms. Ashley McCarter as the **new 4-H Agent in Laurens County**. Ashley began work in Laurens County in May 2018. She is a recent graduate of Clemson University with a B.S. in Animal and Veterinary Sciences with an Equine Business concentration. She is originally from York, SC, where she was an active member in South Carolina 4-H. She participated in the meat goat, dairy heifer, and horse projects. She brings with her extensive experience in state 4-H work through her several years of internships as an undergraduate student. She is looking forward to working with the Laurens County youth and volunteers as she begins this new role. Ashley can be contacted in the Laurens County Extension office at 864-984-2514 ext. 113 or asmccar@clemson.edu.



Monthly 4-H Club Activity Idea

by Ashley Burns



Musical Vibrations

Objective: To understand basic concepts of sound generation through vibrations.

Age Range: All ages.

Hands-on Activity: To create, experiment with, and decorate a handmade harmonica.

Life Skills: HEAD – learning to learn, problem solving, decision making;

HEART – social skills, communication, sharing;

HANDS – self-motivation;

HEALTH – self-esteem and stress management.

Introduction

Light and sound travel in similar, but different ways. They both travel in waves. Light waves are transverse waves; **sound waves are compression or longitudinal waves**. The difference between these two types of waves can be demonstrated using a jump rope and a slinky (or large spring) with a visible ribbon tied in the center of each. When you create a wave with a jump rope, the ribbon moves up/down (or perpendicular) relative to the point of propagation. This is the way light waves behave. When you create a wave with a stretched slinky by popping one of the coils, the ribbon moves towards/away (or parallel) relative to the point of propagation. This is the way sound waves behave. Youth can explore the auditory effects of sound waves by creating their own homemade harmonica. Vibrations created by a rubber band emit sound waves that youth can hear.

Materials (per youth)

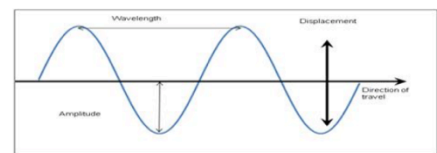
2 Craft sticks

Plastic straw cut into 2 1-1½ inch (or 2 toothpicks)

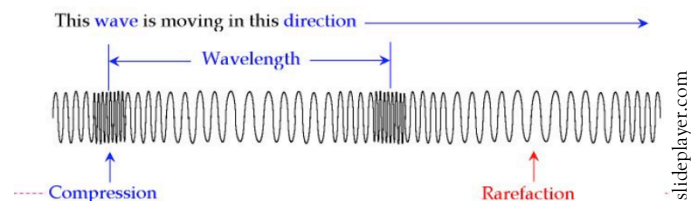
3 Rubber bands: 1 #64 (large flat) & 2 can be smaller

Decorations: stickers, markers, tape, etc.

Light waves are transverse waves.



Sound waves are longitudinal waves.



Activity Instructions

1. Put the large rubber band around 1 craft stick length-wise so that it lays flat from end to end.
2. Insert 1 straw piece or toothpick under the rubber band perpendicular to the craft stick about 1 inch from the end.
3. On the opposite end of the craft stick, place the remaining straw or toothpick on top of the rubber band.
4. Hold everything in place with the second craft stick, sandwiching the straws or toothpicks between the craft sticks.

Continued on page 6

5. Secure the craft sticks in place by wrapping the remaining 2 rubber bands around the outside ends of the newly made harmonica.
6. Place mouth on the center of the harmonica and blow to create sound.

Youth can change the spacing of the straws/toothpicks, alter the shape of their mouth when they make the sound, and insert additional straws/toothpicks to affect the sound of the harmonica. Allow them to experiment, make music, and decorate their harmonica.

Reflective questions

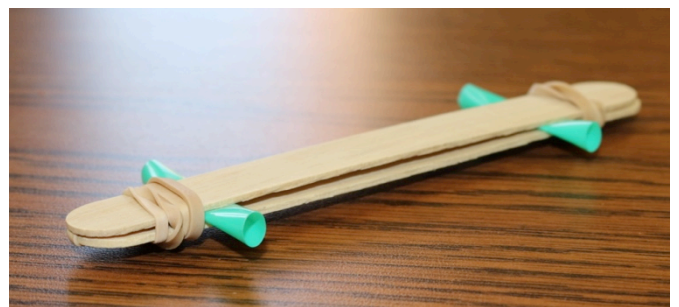
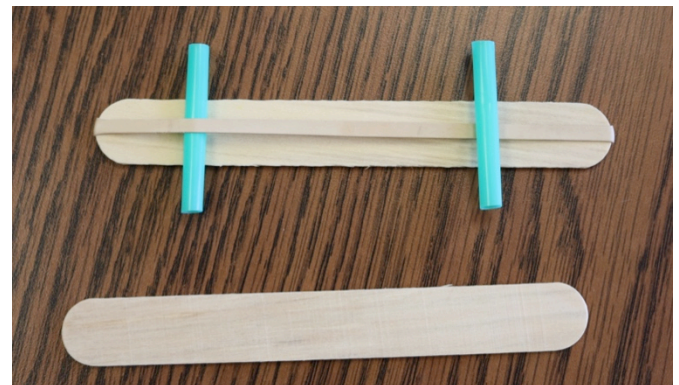
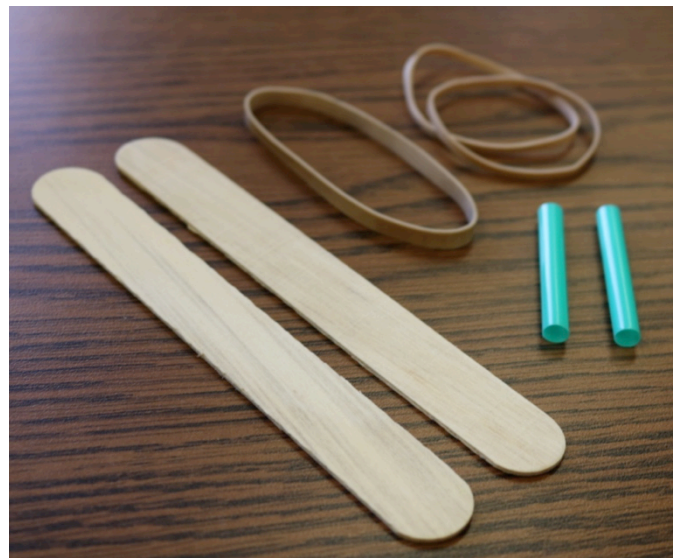
- What did you like about this activity?
- What happened during this activity? Did you encounter any problems?
- What decisions did you have to make?
- How would you teach someone about this concept?

Conclusion

This activity is a fun way to teach a basic science concept of the creation and alteration of sound waves. Youth also will have a tangible reminder of this science principle. Allowing for self expression through creating and decorating their own harmonica is an important part of positive youth development.

Resources:

- Bjurstrom, N., D. Hall, and A. Stakey. 2002. 4-H and Youth Development: Music Project Guide. Iowa State University Extension. <https://store.extension.iastate.edu/Product/4h620mp-pdf>
- D'Augustino, T. 2018. Exploring our world: How does sound travel. Michigan State University Extension. http://msue.anr.msu.edu/news/exploring_our_world_how_does_sound_travel
- Science Buddies and M. Arnett. 2018. Sound Science: Make your own harmonica! Scientific American. <https://www.scientificamerican.com/article/sound-science-make-your-own-harmonica/>



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